

Serial Number:

101005,467

CRF Processing Date: 12/12/01

Edited by:

Verified by: DC (STIC sta

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/005,467

DATE: 12/18/2001
TIME: 15:56:48

Input Set : N:\jumbos\10005467.txt
Output Set: N:\CRF3\12182001\J005467.raw

4 <110> APPLICANT: Allen, Keith D.
6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING PTP36
7 TYROSINE PHOSPHATASE GENE DISRUPTIONS
10 <130> FILE REFERENCE: R-758
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/005,467
C--> 12 <141> CURRENT FILING DATE: 2001-12-04
12 <150> PRIOR APPLICATION NUMBER: US 60/251,796
13 <151> PRIOR FILING DATE: 2000-12-06
15 <160> NUMBER OF SEQ ID NOS: 3
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 3957
21 <212> TYPE: DNA
22 <213> ORGANISM: Mus musculus
24 <400> SEQUENCE: 1
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27 gggccgcaga gccatgcctt tcggcctgaa gctccgcagg actcggcgct acaacgtcct 180
28 gagcaagaac tgctttgttg cccggatccg cctgtgggac agcaatgtca tcgagtgcac 240
29 gctgtcggtg gaaagcacgg ggcaagagtg cctggaggcc gtggcccaga ggctggagct 300
30 gagggagacg cactacttcg gcctttggtt tctcagcaag agccagcagg cgagatgggt 360
31 agagctggag aagccactga agaaacatct ggacaagttt gctaacgagc ctctgctttt 420
32 ctctcgagtc atgttctatg tgccaaatgt gtcacggctt cagcaggagg ccacaagata 480
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35 tgattcccaa gagttcctcc gagagtatgt gctctttcct atggatttgg ccatggagga 660
36 ggcggctctg gaggagctaa ccagaaaggt ggcccaggaa cacaaagctc atagcgggat 720
37 cctgccggct gaagctgaac tgatgtacat caacgaggta gagcgttttg atggatttgg 780
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40 cattgggagt gttactcaca gcaaagcagc catcctgttg gagctgattg acaaggagga 960
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42 cactcggcac aaattttaca aacagaacaa gatctgcact gaacagtcaa attctccacc 1080
43 cccaatcaga cgccagccca cctggagccg gtctcactg ccaaggcagc agccgtatat 1140
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46 taattacttg aacggcaccg tcaccaatgg cagcgtgtgc agcgttcaca gcgtcaactc 1320
47 cctcagctgc tcccagagct tcattcaggc gtctccagtg tcctccaacc ttagcatccc 1380
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51 ctataaccag cccgaggaac tgggttacag ccagccggag atgcgggaga ggcaccccta 1620
52 cacggtcccc tatgcacacc aggggtgcta cggtcacaaa cttgtaagtc cgtctgacca 1680
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55 ccacatgctc aagaactatc tattcaggcc gccacccctt taccctcggc cccgtcctgc 1860
56 caccagcacc ccagacctcg ccagccaccg ccacaagtac gtcagcggca gcagccctga 1920

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/005,467

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Input Set : N:\jumbos\10005467.txt

Output Set: N:\CRF3\12182001\J005467.raw

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57 tctggtaact cggaagggtgc agctctccgt aaagaccttc caggaggaca gctcacctgt 1980
58 ggtccatcag tctctgcagg aggtgagcga acccctcaca gccaccaagc accatggcgg 2040
59 cggcggtggc acggtgaata aacgccacag cctggagggtg atgaacagca tggtagagagg 2100
60 catggaggcc atgacactga agtcaactcaa tatcccatg gctcgccgca acacccttcg 2160
61 ggagcagggc ccttccgagg agacggggcg ccacgaagtg cacggtctcc cccagtatca 2220
62 ccacaagaag acattctcgg atgccacat gctgatccac agcagtgaga gcgagggaaga 2280
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68 cagcgtgaag gagcgggtca agaaagagcc tgtgaaggaa aggcgggtgt cagagatgtt 2640
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70 gatgacgggc ccgcaggcac agaagagacc gctgatgttg gcagcgtga atgggctctc 2760
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83 ccccccatc gtggttcaact gcagcggcg tgtgggaagg actggtgtg ttatctctc 3540
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89 atgtattatt ttatataaga taatttattt ttttccctct ttggaataag ttctgtgagt 3900
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92 <210> SEQ ID NO: 2

93 <211> LENGTH: 200

94 <212> TYPE: DNA

95 <213> ORGANISM: Artificial Sequence

97 <220> FEATURE:

98 <223> OTHER INFORMATION: Targeting Vector

100 <400> SEQUENCE: 2

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101 cagctgcccg gcagagagcc tgggtggcag ggacatcttt atccacatac cttagtgtga 60
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103 ggtgtccccg ggccgcagag ccatgccttt cggcctgaag ctccgcagga ctccgcgcta 180
104 caacgtcctg agcaagaact
105                                     200

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106 <210> SEQ ID NO: 3

107 <211> LENGTH: 200

108 <212> TYPE: DNA

109 <213> ORGANISM: Artificial Sequence

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111 <220> FEATURE:
112 <223> OTHER INFORMATION: Targeting Vector
114 <400> SEQUENCE: 3
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116 tgtgtggaca gggagtgggc tcttcagagg aaccagctat ctgcttaacg tgttggcacc 120
117 tgctgtgttt tcagcctaag cgtgtgttta aaagaacctg cttttcttag ggtgggtgtg 180
118 gcccggggaa gttccagcat 200

VERIFICATION SUMMARY

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Input Set : N:\jumbos\10005467.txt

Output Set: N:\CRF3\12182001\J005467.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date